EBN Technology Corp.

User's Manual

POS50A-5B-LX800
POS50A-2B-LX800
POS50A-8B-LX800

PPC50A-5B-LX800
PPC50A-2B-LX800
PPC50A-8B-LX800

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All trademarks are property of their respective owners

Liability Disclaimer

In no event will the manufacturer be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use the product or documentation, even if advised of the possibility of such damages.

Regulatory Information

FCC Notices

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Increase the separation between the equipment and the receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio or television technician for help.

This device complies with Part 15 (B) of the FCC Rules. Operation is subject to the following two conditions:

1) this device may not cause harmful interference and

2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS DEVICE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE DEVICE.

CE Notice

This device complies with **EMC Directive 2004/108/EC** issued by the Commission of the European Community.

WEEE Notice

The **WEEE** mark applies only to countries within the European Union (EU) and Norway.
This appliance is labeled in accordance with **European Directive 2002/96/EC** concerning **waste electrical and electronic equipment** (**WEEE**). The Directive determines the framework for the return and recycling of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.

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1.

Introduction

Features:

- AMD GeodeTM LX800 low power consumption and high performance technology
- Ultra-slim and light-weight chassis
- 2x USB 2.0, x RS-232 (COM 1/2: DB-9, RS-232, Pin 9w / RI / 5V / 12V selectable, COM 3: Internal for MSR)
- 10/100 Ethernet port (RJ-11) and cash drawer port (RJ-11) equipped
- Microsoft Windows series operation system (Windows XP Home Edition, Windows XP Professional Edition and WEPOS) and open-source Linux operation system supported.

2.

Unpacking the Box

Verify that the box contains the following items.

POS50A-5B-LX800, POS50A-2B-LX800, POS50A-8B-LX800

1	Device X 1
2	Power Adaptor X 1
3	Power Cord X 1
4	Driver and utility CD X 1

PPC50A-5B-LX800, PPC50A-2B-LX800, PPC50A-8B-LX800

1	Device X 1
2	Power Adaptor X 1
3	Power Cord X 1
4	Wall mount Kit X 1
5	Screw package X 1
6	Driver and utility CD x 1

3.

Hardware Setup

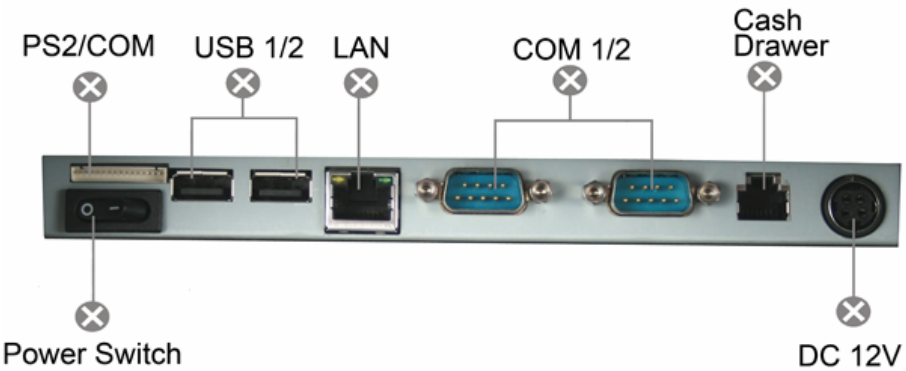
3.1. Quick Tour

Front View

LED Indicator

	The **Power** indicator will glow green when power is on.
	The **HDD** indicator will blink green when the HDD is accessed.
	The **LAN** indicator will blink green when transferring data though the LAN.

Back Panel I/O



Note: For details of I/O ports on the back panel, please refer to Chapter 7 – I/O Definition.

3.2. Peripherals Installation

USB Mouse, USB Keyboard or USB ODD

Connect your USB Mouse, USB Keyboard or USB ODD to **USB** ports on the back panel of the device.

LAN Cable

Connect one end of RJ-45 LAN cable to the **LAN** port on the back panel of the device, another end to your internet device.

Cash Drawer

Connect one end of RJ-11 cable to the **Cash Drawer** port on the back panel of the device, another end to your cash drawer.

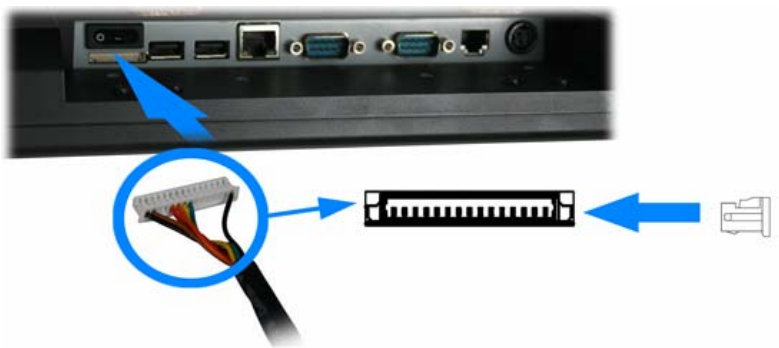
MSR

1. Loosen and remove the four screws fixing the base unit by #1 Phillips screwdriver.

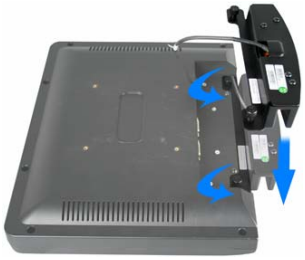
2. Remove the right hinge cover, left hinge cover and support cover as shown below.

3. Remove the base unit.

4. Connect the female connector of the external device to the **PS2/COM** port on the back panel of the device in the correct orient.



5. Align two screws of the MSR assembly to the holes and tighten two screws of the MSR assembly as shown below.



6. Reinstall right hinge cover, left hinge cover, support cover and base unit.

3.3. Adjust View Angle (POS 50 series only)

Adjust the device to the proper view angle.

3.4. Turn on the Device

1. Make sure all peripherals are connected properly.
2. Press and hold the power switch until the power indicator on the front panel glow green.

4.

Driver and Utility Installation

4.1. Before the installation

All installation procedures described below are based on Microsoft Windows XP.

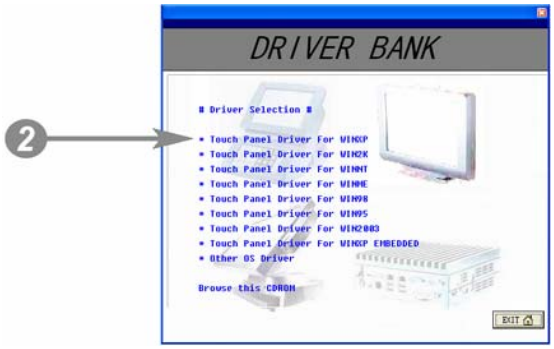
1. Connect an external USB CDROM drive to the USB port and insert the driver CD and turn on the device. The program autoruns and displays the ***DRIVER BANK*** screen.

2. Click **POS50 /PPC50 /SBOXPC50/MobilePOS 50/SmartPOS 50 Series**".

4.2. TouchKit Utility Installation

1. Click "**Touch Driver**".

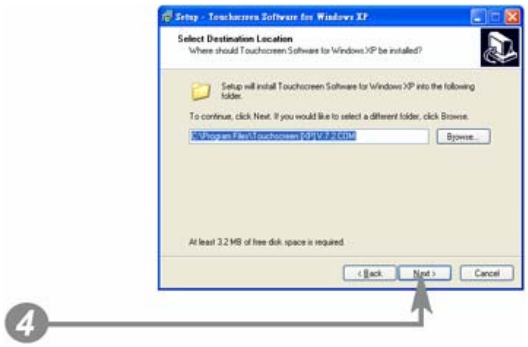
2. Click "**Touch Panel Driver for** WINXP".



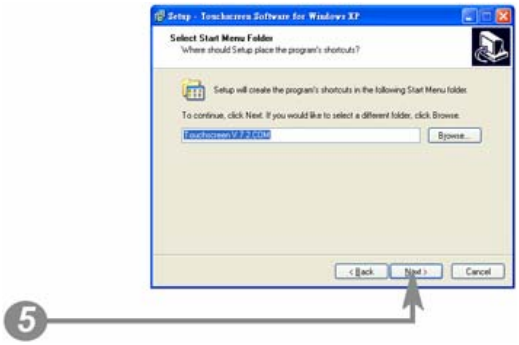
3. Click “**Next**” button.

Setup - Touchscreen Software for Windows XP
Welcome to the Touchscreen Software for Windows XP Setup Wizard
This will install Touchscreen Software Version 7.2.COM on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel
3

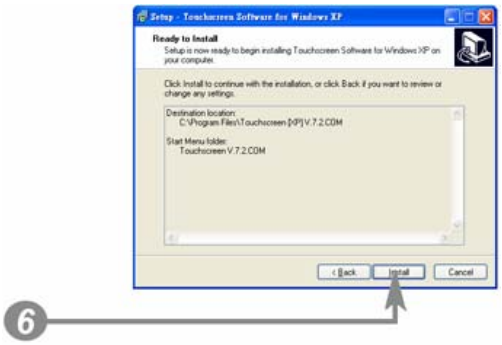
4. Click “**Browse**” to select the location where the driver installed, and then click “Next”. Or you can click “**Next**” go to next screen directly.


Setup - Touchscreen Software for Windows XP
Select Destination Location
Where should Touchscreen Software for Windows XP be installed?
Setup will install Touchscreen Software for Windows XP into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
Browse...
At least 3.2 MB of free disk space is required.
< Back
Next >
Cancel
4

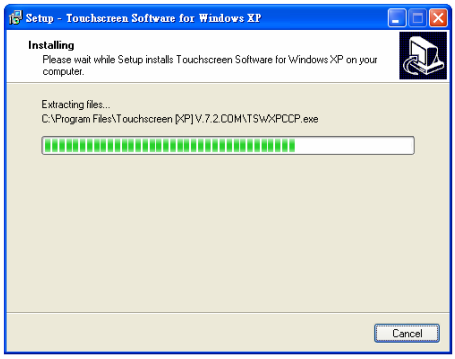
5. Click “**Browse**” to select the start menu folder, and then click “Next”. Or you can click “**Next**” go to next screen directly.


Setup - Touchscreen Software for Windows XP
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
Browse...
< Back
Next >
Cancel
5

6. This screen displays setting information. Click **Install** to continue installation. If you would like to change settings, click **Back** to return to previous screens.


Setup - Touchscreen Software for Windows XP
Ready to Install
Setup is now ready to begin installing Touchscreen Software for Windows XP on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
Start Menu folder:
Touchscreen V.7.2.COM
< Back
Install
Cancel
6

7. During the installation, the following screen will be displayed.


Setup - Touchscreen Software for Windows XP
Installing
Please wait while Setup installs Touchscreen Software for Windows XP on your computer.
Extracting files...
C:\Program Files\Touchscreen [XP] V.7.2.COM\TSWXPCCP.exe
Cancel

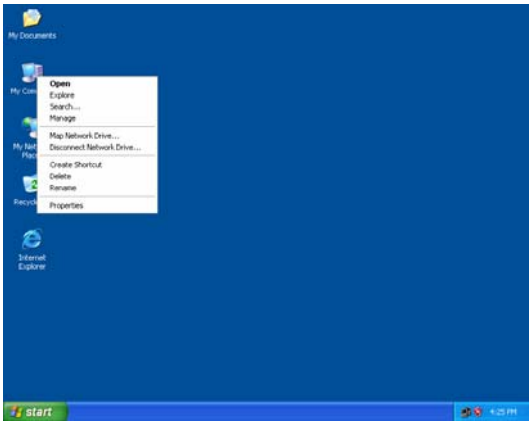
8. The message below shows after the installation was successful. Click"**OK**" to complete the installation.

TouchScreen Driver Installation
Setup has finished installing TouchScreen drivers and utilities on your computer.
The Windows must be restarted.
OK

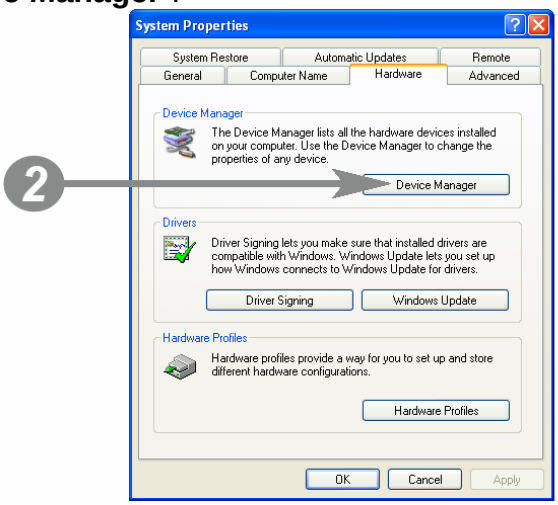
4.3. VGA Driver Installation

1. On Desktop, right click on the

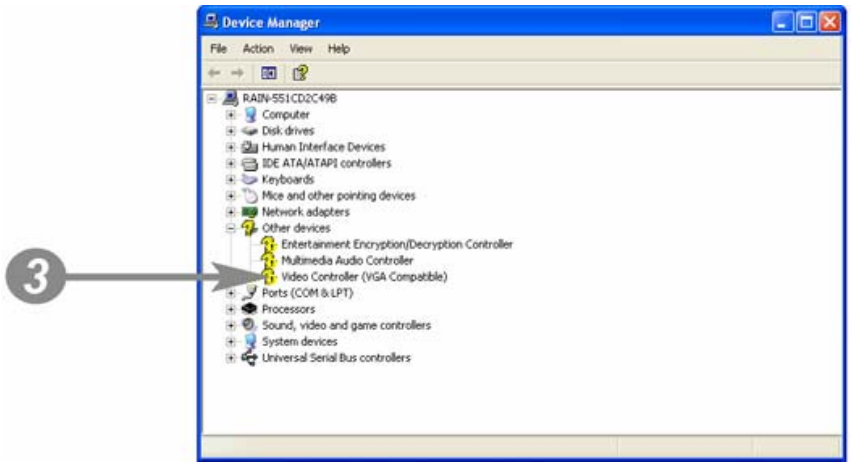
My Computer icon and select "**Property**".



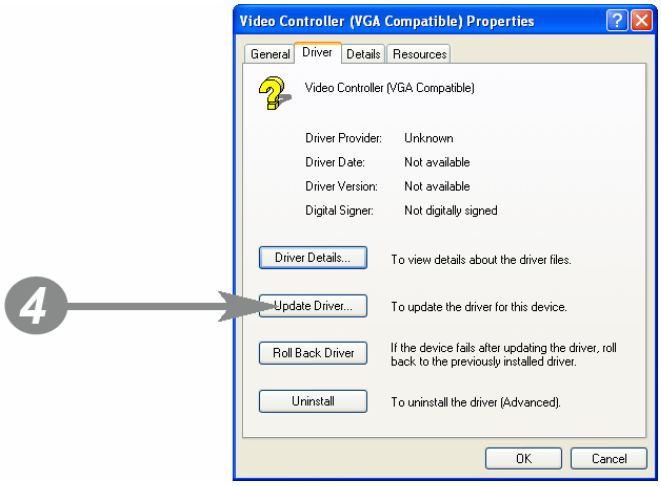
2. On the "**System Properties**" property sheet, select "**Hardware**" tab and click "**Device Manager**".


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
2
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply

3. On Device Manager, double click “**Video Controller (VGA Compatible)**”.



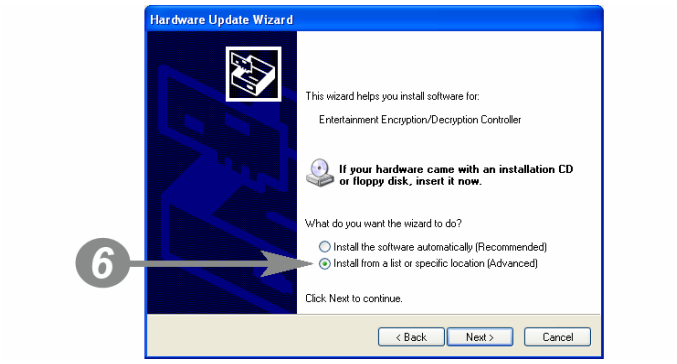
4. On the ” **Video Controller (VGA Compatible)**” property sheet, select “Driver” tab and click “Update Driver”.


Video Controller (VGA Compatible) Properties
General Driver Details Resources
Video Controller (VGA Compatible)
Driver Provider: Unknown
Driver Date: Not available
Driver Version: Not available
Digital Signer: Not digitally signed
Driver Details...
To view details about the driver files.
Update Driver...
To update the driver for this device.
Roll Back Driver
If the device fails after updating the driver, roll back to the previously installed driver.
Uninstall
To uninstall the driver (Advanced).
OK
Cancel
4

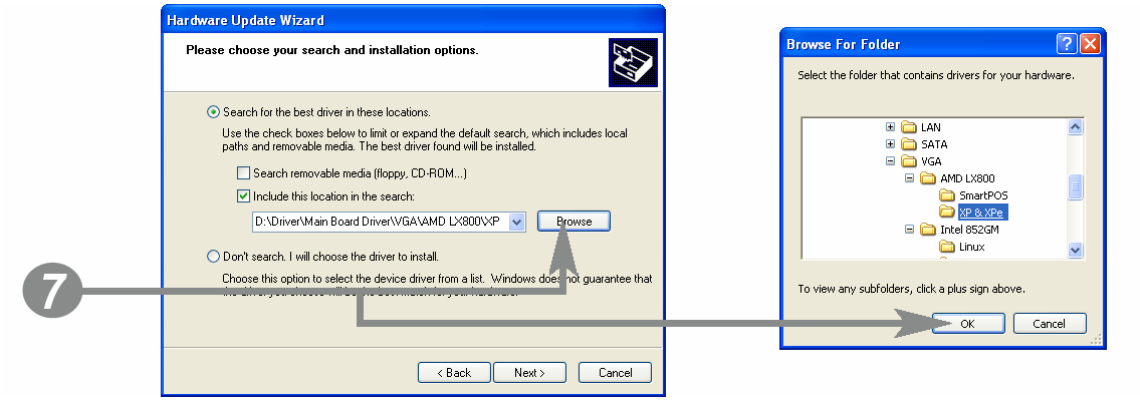
5. On the welcome screen of **Hardware Update Wizard**, select “**No, not this time**”, and click ” **Next**”.

Hardware Update Wizard
Welcome to the Hardware Update Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel
5

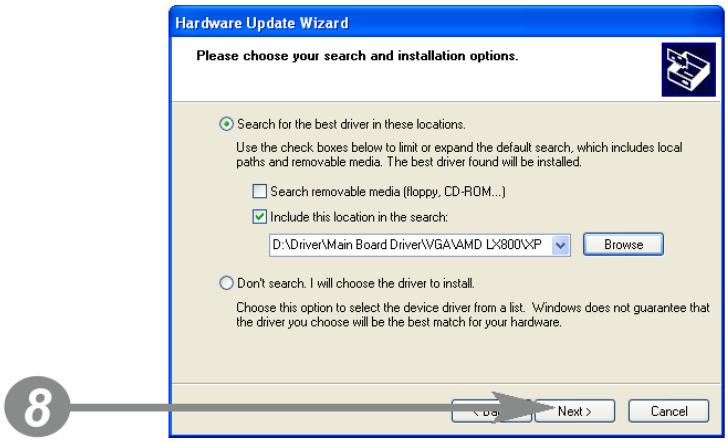
6. Select **“Install from a list or specific location (Advance)**”, and click “**Next**”.


Hardware Update Wizard
This wizard helps you install software for:
Entertainment Encryption/Decryption Controller
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel
6

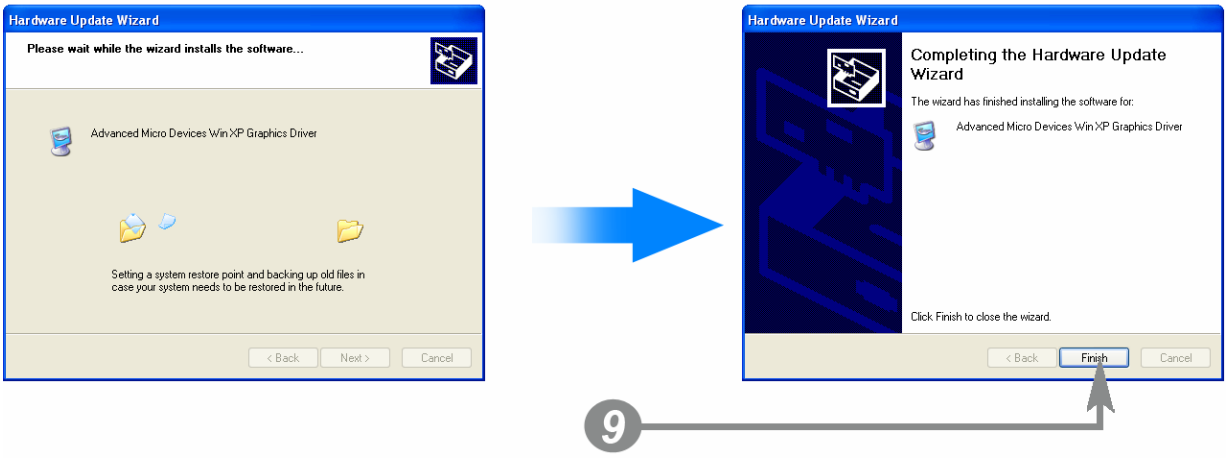
7. Click “**Browse**” to select the location where the driver installed, and then click “**Next**”.
The location of the audio driver is: **D:\Driver\Main Board Driver\VGA\AMD LX800\XP & XPe**.


Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
D:\Driver\Main Board Driver\VGA\AMD LX800\XP
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that
< Back
Next >
Cancel
Browse For Folder
Select the folder that contains drivers for your hardware.
LAN
SATA
VGA
AMD LX800
SmartPOS
XP & XPe
Intel 852GM
Linux
To view any subfolders, click a plus sign above.
OK
Cancel
7

8. Click “Next”.


Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
D:\Driver\Main Board Driver\VGA\AMD LX800\XP
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
Next >
Cancel
8

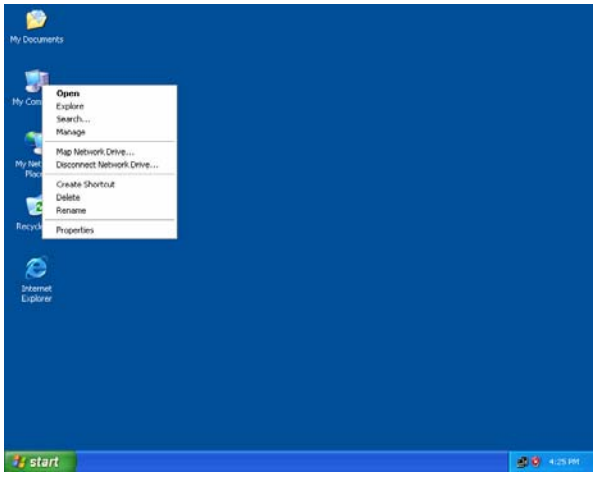
9. After installation completed, cluck “**Finish**”.


Hardware Update Wizard
Please wait while the wizard installs the software...
Advanced Micro Devices Win XP Graphics Driver
Setting a system restore point and backing up old files in case your system needs to be restored in the future.
< Back
Next >
Cancel
Hardware Update Wizard
Completing the Hardware Update Wizard
The wizard has finished installing the software for:
Advanced Micro Devices Win XP Graphics Driver
Click Finish to close the wizard.
< Back
Finish
Cancel
9

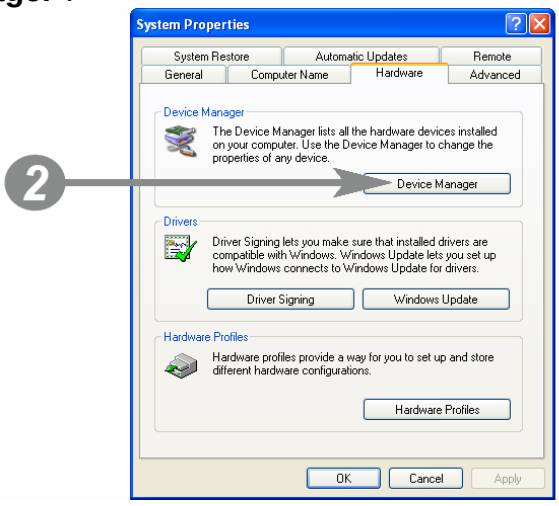
4.4. Audio Driver Installation

1. On Desktop, right click on the

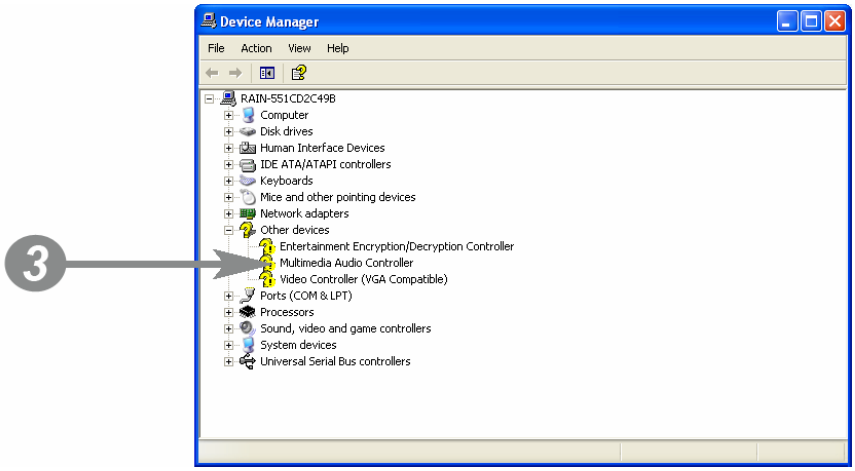
My Computer icon and select "**Property**".



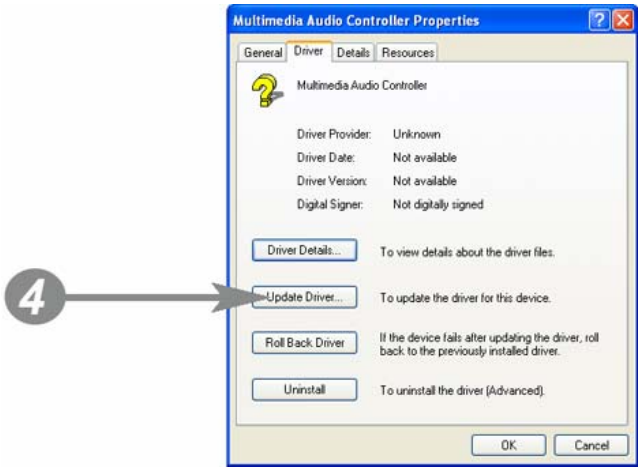
2. On the "**System Properties**" property sheet, select "**Hardware**" tab and click "**Device Manager**".


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
2
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply

3. On **Device Manager**, double click "**Multimedia Audio Controller**".



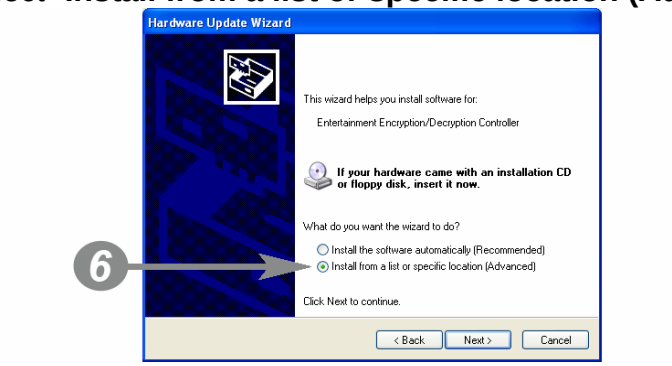
4. On the **"Multimedia Audio Controller Properties**" property sheet, select "**Driver**" tab and click "Update Driver".



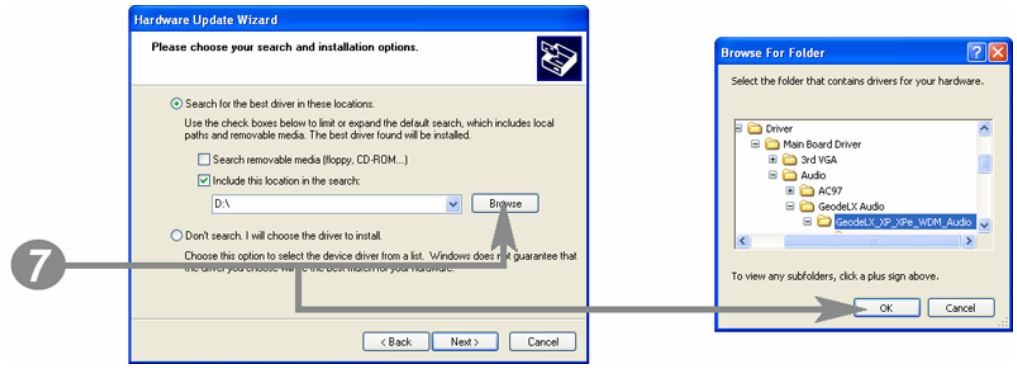
5. On the welcome screen of **Hardware Update Wizard**, select "**No, not this time**", and click **Next**.

Hardware Update Wizard
Welcome to the Hardware Update Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel
5

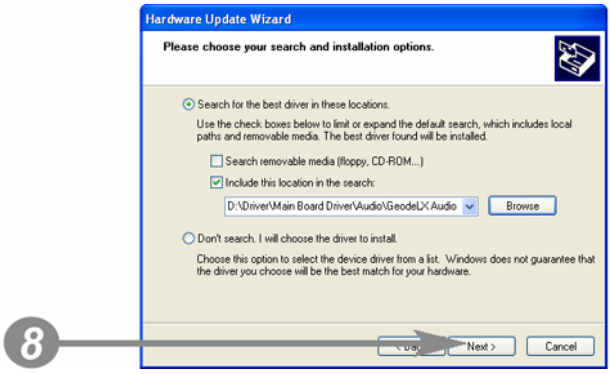
6. Select "**Install from a list or specific location (Advance)**", and click "**Next**".


Hardware Update Wizard
This wizard helps you install software for:
Entertainment Encryption/Decryption Controller
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel
6

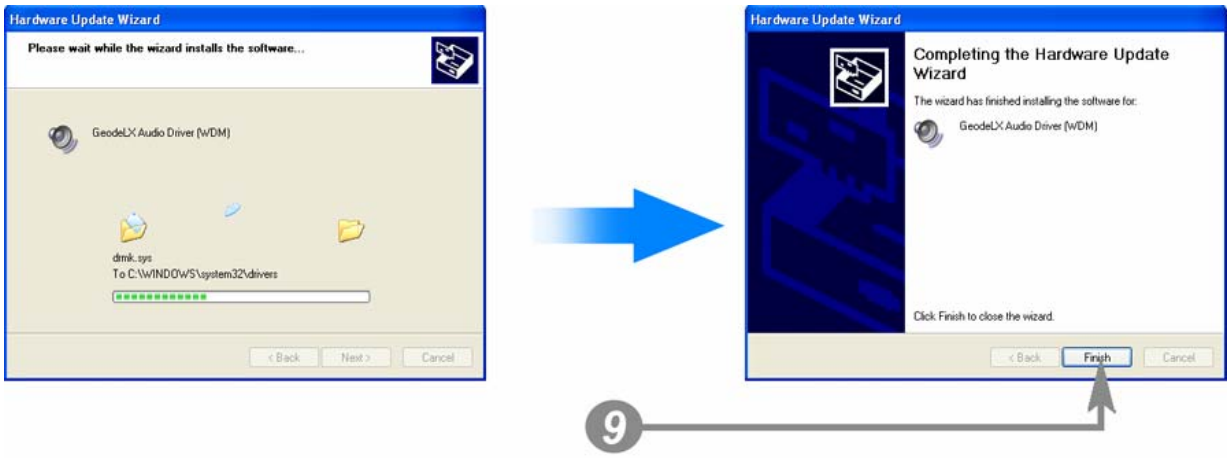
7. Click "**Browse**" to select the location where the driver installed, and then click "**Next**".
   The location of the audio driver is: **D:\Driver\Main Board Driver\Audio\GeodeLX Audio\GeodeLX_XP_XPe\WDM_Audio**.


Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
D:\
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that
< Back
Next >
Cancel
7
Browse For Folder
Select the folder that contains drivers for your hardware.
Driver
Main Board Driver
3rd VGA
Audio
AC97
GeodeLX Audio
GeodeLX_XP_XPe_WDM_Audio
To view any subfolders, click a plus sign above.
OK
Cancel

8. Click “**Next**”.


Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
D:\Driver\Main Board Driver\Audio\GeodeLX Audio
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
8
Next >
Cancel

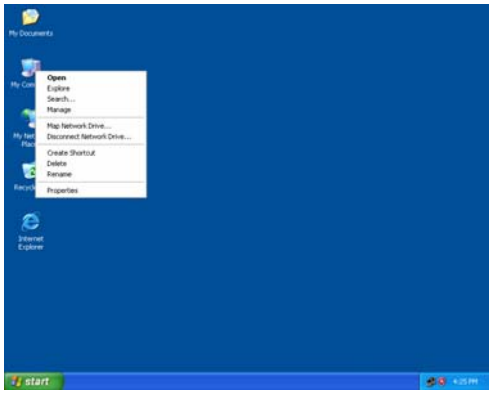
9. After installation completed, cluck “**Finish**”.



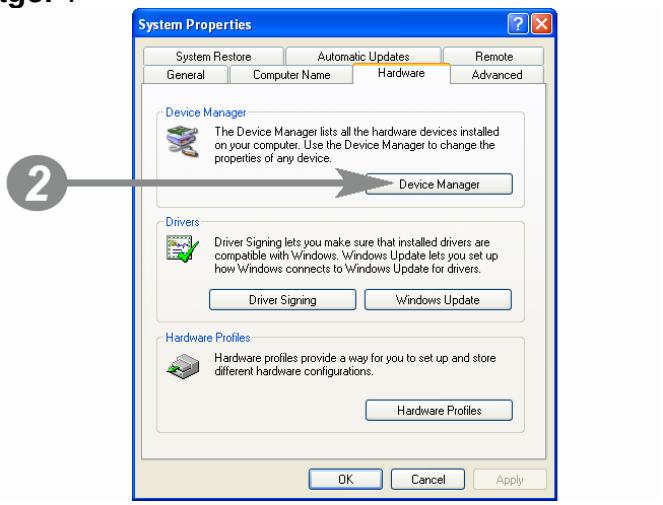
4.5. AES Driver Installation

1. On Desktop, right click on the

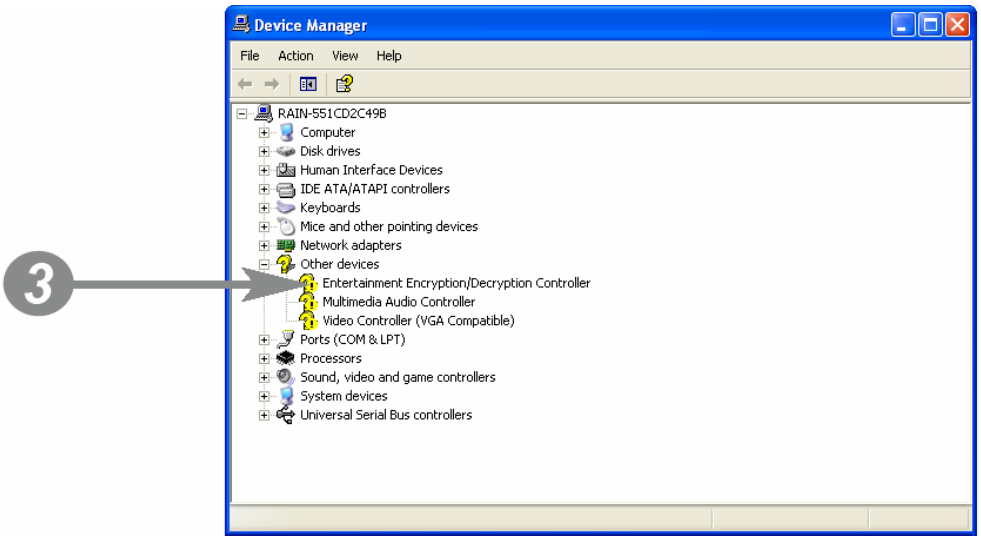
My Computer icon and select “**Property”**.



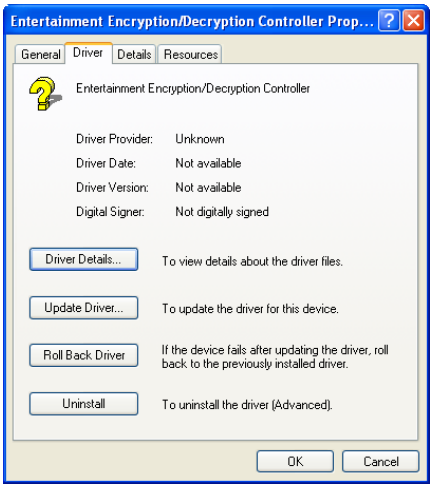
2. On the “**System Properties**” property sheet, select “**Hardware**” tab and click “**Device Manager**”.


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply
2

3. On **Device Manager**, double click “**Entertainment Encryption/Description Controller**”.



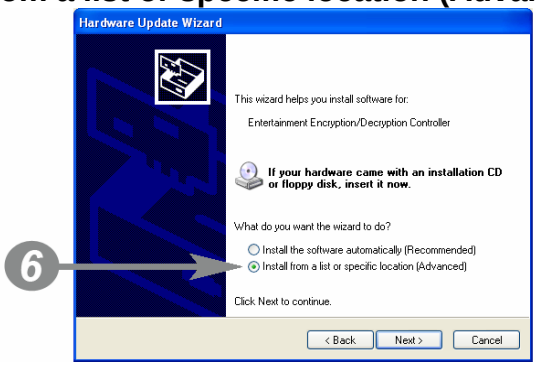
4. On the **”** “**Entertainment Encryption/Description Controller Properties**” property sheet, select “**Driver**” tab and click “Update Driver”.



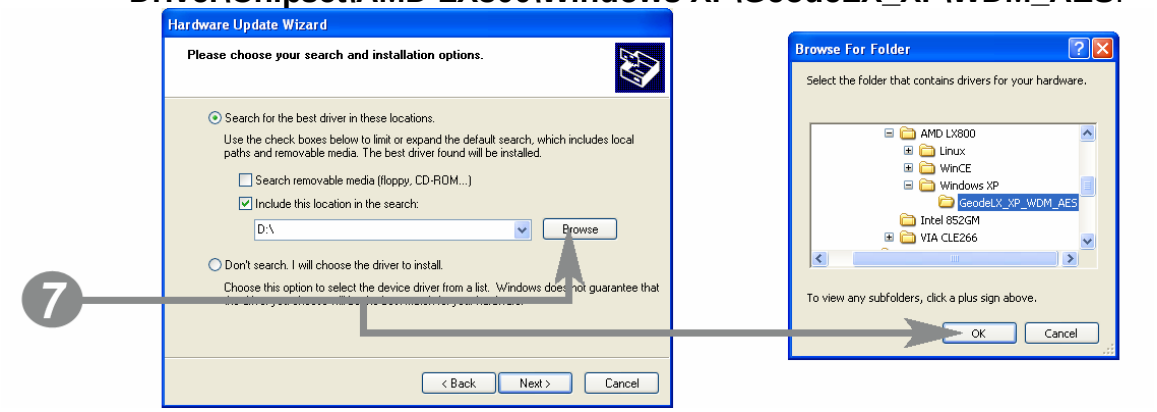
5. On the welcome screen of **Hardware Update Wizard**, select "**No, not this time**", and click **Next**.

Hardware Update Wizard
Welcome to the Hardware Update Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel
5

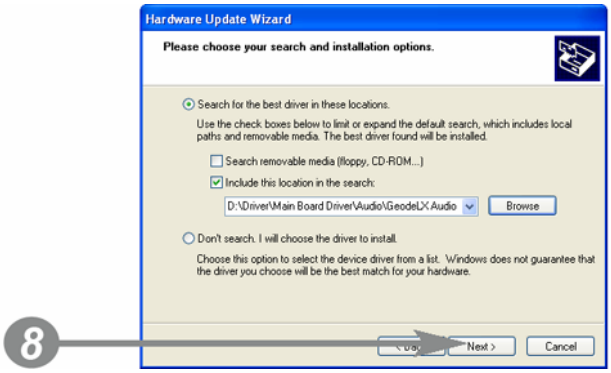
6. Select "**Install from a list or specific location (Advance)**", and click "**Next**".


Hardware Update Wizard
This wizard helps you install software for:
Entertainment Encryption/Decryption Controller
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel
6

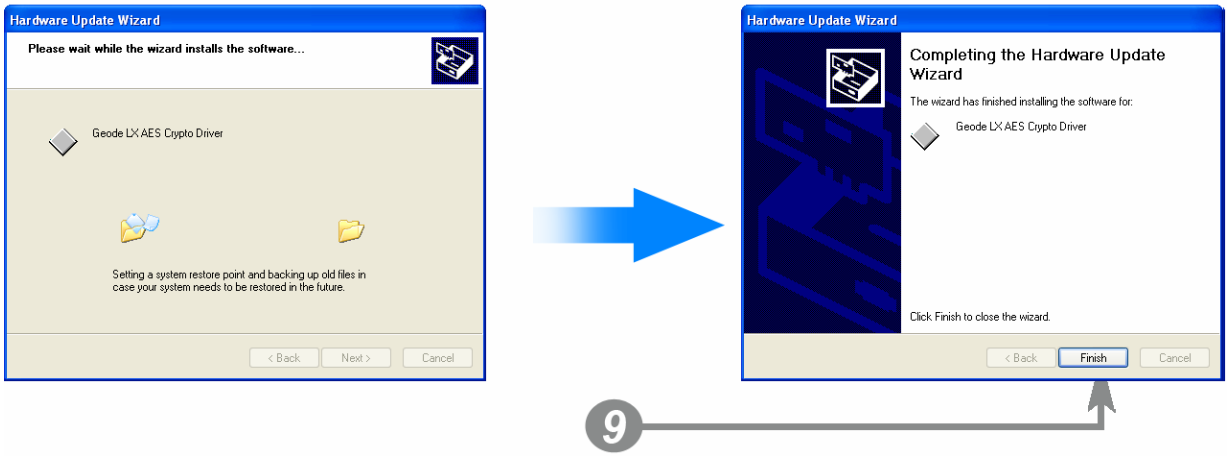
7. Click "**Browse**" to select the location where the driver installed, and then click "**Next**".
   The location of the audio driver is: **D:\Driver\Main Board Driver\Chipset\AMD LX800\Windows XP\GeodeLX_XP\WDM_AES**.


Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
D:\
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that
< Back
Next >
Cancel
Browse For Folder
Select the folder that contains drivers for your hardware.
AMD LX800
Linux
WinCE
Windows XP
GeodeLX_XP_WDM_AES
Intel 852GM
VIA CLE266
To view any subfolders, click a plus sign above.
OK
Cancel
7

8. Click "**Next**".


Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
D:\Driver\Main Board Driver\Audio\GeodeLX Audio
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
Next >
Cancel
8

9. After installation completed, cluck “**Finish**”.


Hardware Update Wizard
Please wait while the wizard installs the software...
Geode LX AES Crypto Driver
Setting a system restore point and backing up old files in case your system needs to be restored in the future.
< Back
Next >
Cancel
Hardware Update Wizard
Completing the Hardware Update Wizard
The wizard has finished installing the software for:
Geode LX AES Crypto Driver
Click Finish to close the wizard.
< Back
Finish
Cancel
9

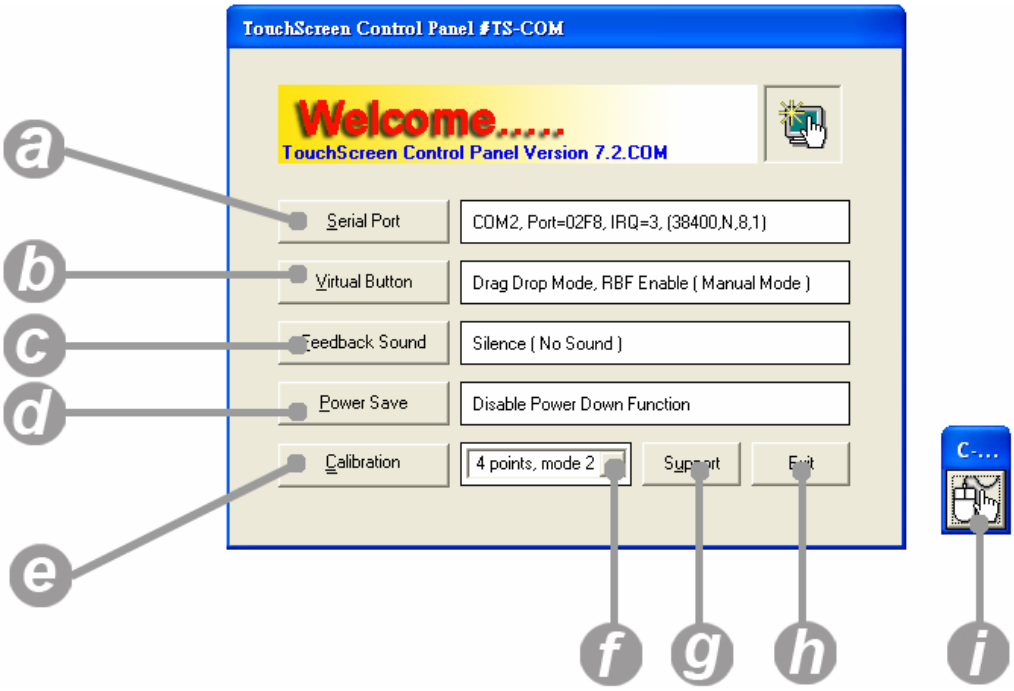
5.

TouchKit Utility Quick Guide

5.1. Launch Touchscreen V7.3.COM

1. Under Microsoft Windows XP, click “**start**” menu and select “**Programs**”, under ”**Touchscreen V7.3.COM**” menu, click “**Touchscreen Control Panel V7.3.COM**”, the control panel of the program shows.

5.2. User interface

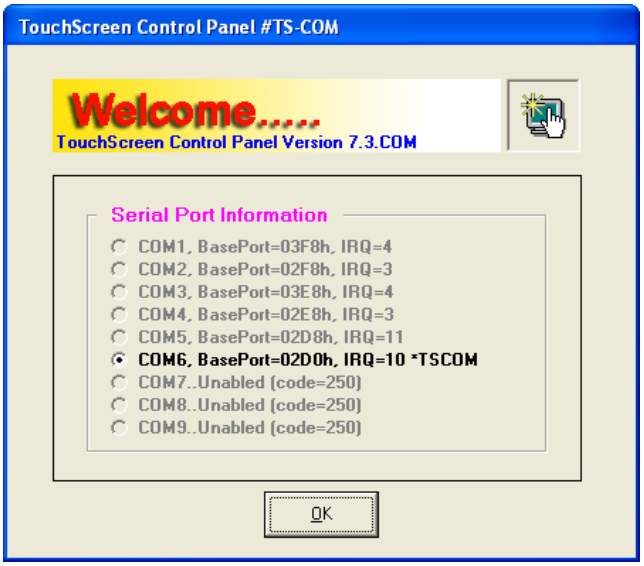


a	**Serial Port**	Display serial port information of the system.
b	**Virtual Button**	Open the virtual button setting dialogue box.
c	**Feedback Sound**	Open the feedback sound setting dialogue box.
d	**Power Save**	Open the power down timer adjustment dialogue box
e	**Calibration**	Switch to calibration screen.
f	**Calibration Mode Menu**	Select the calibration by clicking this drop-down list.
g	**Support**	Display technical support information.
h	**Exit**	Exit the program.
i	**Event Selector**	Enable right mouse button function. The default of this selector is with the left mouse button selected on. For details about event selector settings, please see “**How to Use Event Selector**” of Section 5.2.

5.3. Serial Port Information

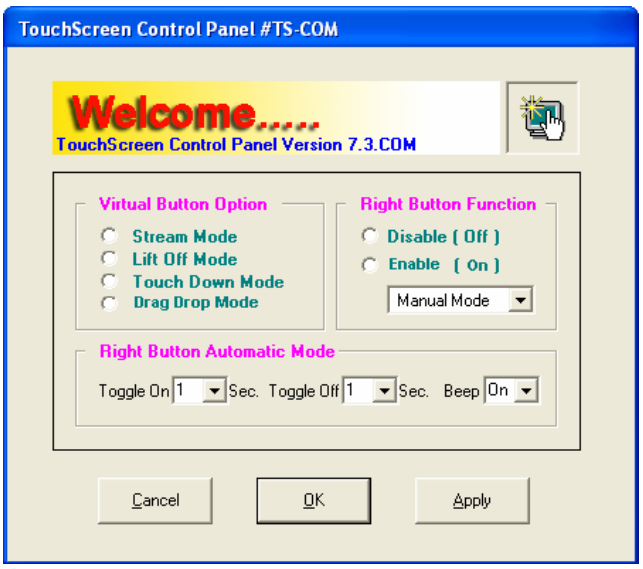
Click **Serial Port** button, the serial port information shows.

Click **OK** to back to the control panel.



5.4. Virtual Button Settings

Click **Virtual Button** button, the dialogue box shows:



The selected option will be in black.

Virtual Button Option

Under **Virtual Button Option** field, there are four options:

- **Stream Mode**

Under this mode, all mouse button simulation will be disabled.

- **Lift off Mode**

Under **Lift off Mode**, tapping and holding on the screen equals pressing and holding on the left button of the mouse.

- **Touch Down Mode**

Under **Touch Down Mode**, one single-tapping equals one left mouse

clicking.

- **Drag Drop Mode**

Drag Drop mode allows you to select an object on the screen by tapping, and then slide the selected object to a new location on the screen, the selected object will be dropped on the new location by releasing the touch.

The selected option will be in black.

Right Button Function

- **Disabled (Off)**

  Select this option, the event selector will be disabled and disappear.
- **Enable (On)**

  Select this option, the event selector will be enabled and show on the left-bottom corner of the screen.

- **Automatic Mode/Manual Mode Drop-down List**

  If the Drag Drop Mode under **Virtual Button Option** field is select, the drop-down menu below the **Enable (On)** option will be enabled.

  Automatic Mode

  - Select this option, the Right Button Function will switch to automatic mode and the event selector will be disabled and disappear.

  Manual Mode

  - Select this option, the Right Button Function will switch to manual mode and the event selector will be enabled and show on the left-bottom corner of the screen.

  - Options under **Right Button Automatic Mode** will be enabled when **Manual Mode** is selected.

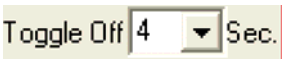
The selected option will be in black.

Right Button Automatic Mode

Toggle On time is the duration between the tapping on the screen and that the right mouse button is “virtually” pressed and held.

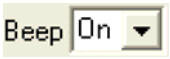
Release the tapping from screen after toggle-on, the pop-up menu shows.

The minimize value is 0.5 and maximum value is 5.



This option defines how long the right button function will be off.

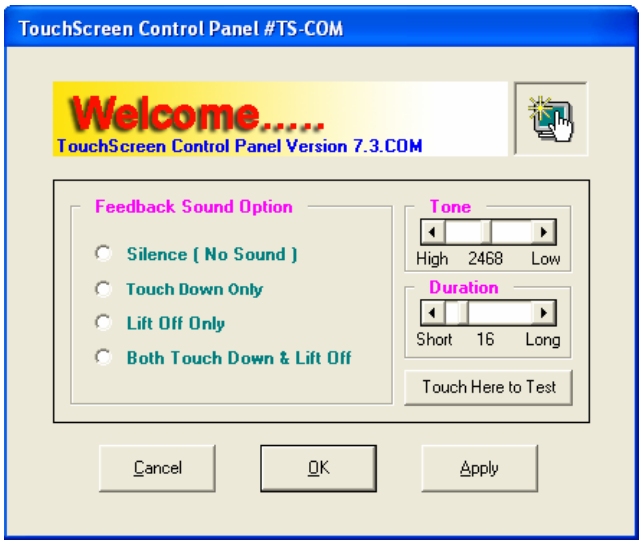
The minimize value is 0.5 and maximum value is 5.



Click the drop-down menu to select **On** or **Off** to enable or disable the beep sound effect for toggle-on and toggle off.

5.5. Feedback Sound

Click **Feedback Sound** button, the dialogue box shows:



Feedback Sound Option

Silence (No Sound)

No any sound effect.

Touch Down Only
When this option is selected, there will be one “beep” sound when tapping on the screen.

Lift Off Only
When this option is selected, there will be one “beep” sound when releasing from the screen.

Both Touch Down & Lift Off
When this option is selected, there will be one “beep” sound when tapping on the screen and releasing from the screen.

Tone
Drag the bar to adjust the frequency of the sound effect.
The minimize value is 200 and maximum value is 5000.

Duration
Drag the bar to adjust how long the “Beep” sound will be.
The minimize value is 10 and maximum value is 50.

The selected option will be in black.

5.6. Screen Calibration
1. Click the drop menu next to the Calibration button to select calibration mode.

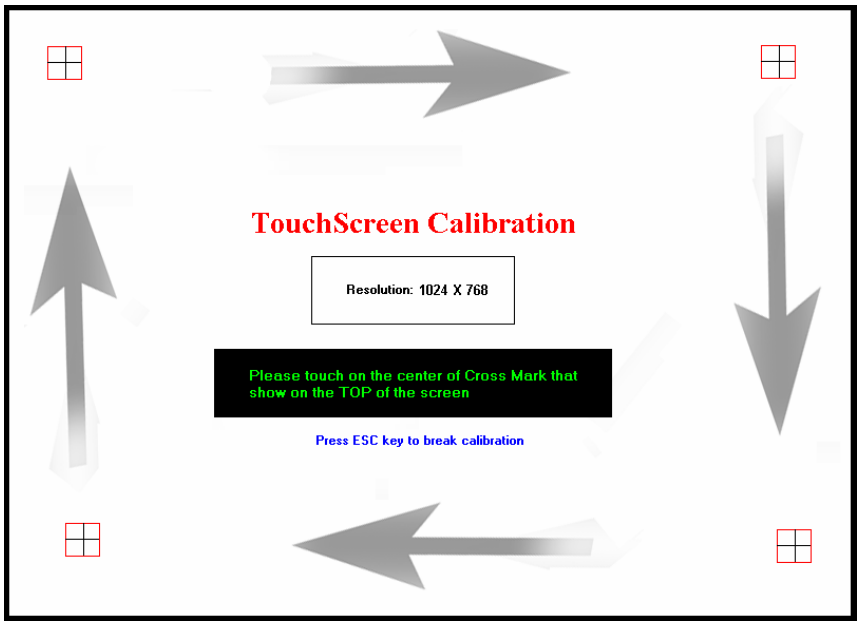
4 points, mode 1 – rectangular four-point calibration
4 points, mode 2 – rhombic four-point calibration

2. Click **Calibration** button to enter the calibration screen.

4 points, mode 1
a. The mark shows on the Left-up corner.
b. Follow the instruction in green to touch the center of Cross Mark.
c. When the instruction turns into yellow, releasing the tapping from the screen.

d. Follow the instruction in green to touch the center of Cross Mark.

e. Repeat Step 2 – Step4 to finish the calibration procedure.


TouchScreen Calibration
Resolution: 1024 X 768
Please touch on the center of Cross Mark that show on the TOP of the screen
Press ESC key to break calibration

4 points, mode 2

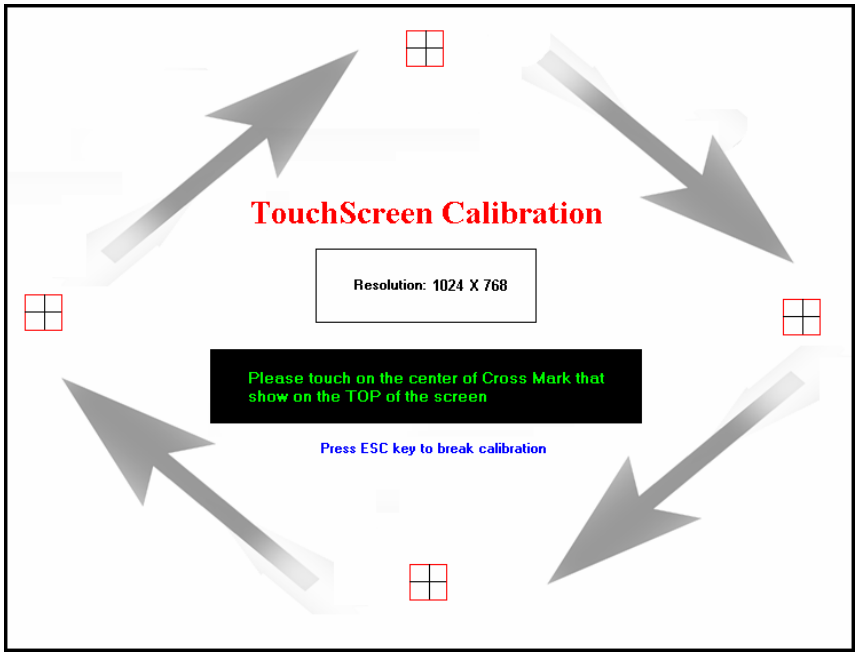
a. The mark shows in the middle of the length of the screen..

b. Follow the instruction in green to touch the center of Cross Mark.

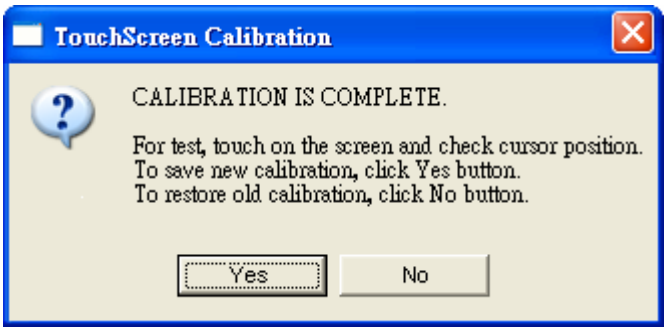
c. When the instruction turns into yellow, releasing the tapping from the screen.

d. Follow the instruction in green to touch the center of Cross Mark.

e. Repeat Step 2 – Step4 to finish the calibration procedure.


TouchScreen Calibration
Resolution: 1024 X 768
Please touch on the center of Cross Mark that show on the TOP of the screen
Press ESC key to break calibration

3. When the calibration procedure is completed, the message shows:


TouchScreen Calibration
CALIBRATION IS COMPLETE.
For test, touch on the screen and check cursor position.
To save new calibration, click Yes button.
To restore old calibration, click No button.
Yes
No

To save the new calibration, click **Yes**, to restore the old calibration, click **No**.

How to Use Event Selector

1. On the desktop of Windows, click icon.
2. icon change to .
3. Now the tapping is simulating right mouse button clicking.
4. After one tap on the screen, icon change to .
5. The tapping resumes to left mouse button clicking.

6.

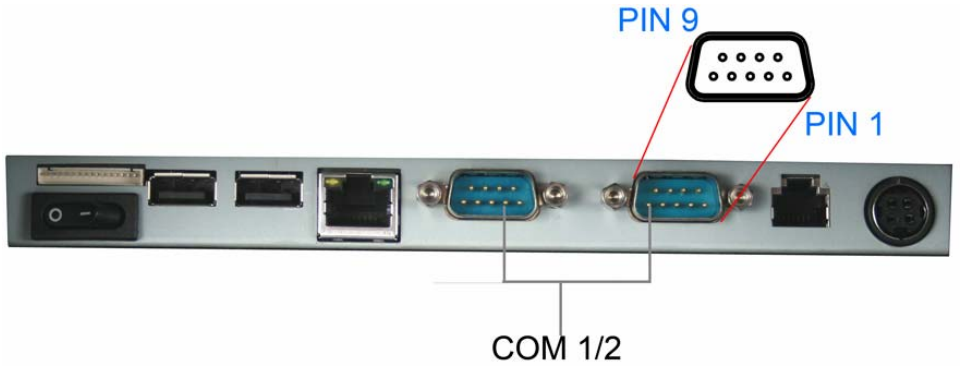
I/O Definition

Please refer the detailed technical information about all I/O ports as followings.

6.1. Power Connector

PIN	Description	PIN	Description
1	+12V	3	GROUND
2	+12V	4	GROUND

6.2. Serial Port



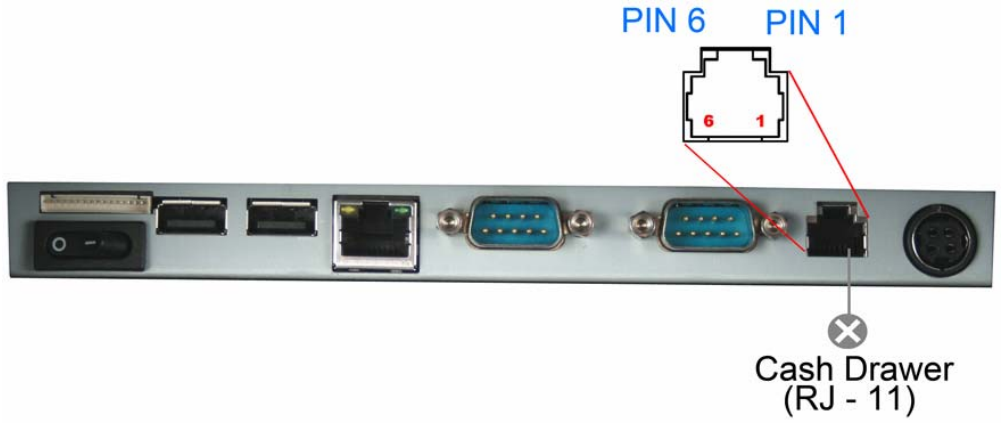
COM Port 1/2/3/4			
PIN	Description	PIN	Description
1	DCD	6	DSR
2	RXD	7	RTS
3	TXD	8	CTS
4	DTR	9	RI / 5V /12V

5	GND	10	NC

6.3. PS2/COM

PS2/COM					
PIN	Description	PIN	Description	PIN	Description
1	GND	6	PC_CLK)KEYBOARD)	11	CTS
2	+5V	7	KB_DAT	12	RTS
3	RXD	8	KB_CLK	13	DSR
4	TXD	9	RI / 5V /12V	14	DCD
5	PC_DAT (KEYBOARD)	10	DTR	15	KB_EN

6.4. Cash Drawer



Connector

PIN	Description	PIN	Description
1	GND	4	12V
2	D_OUT	5	NC
3	D_IN	6	GND

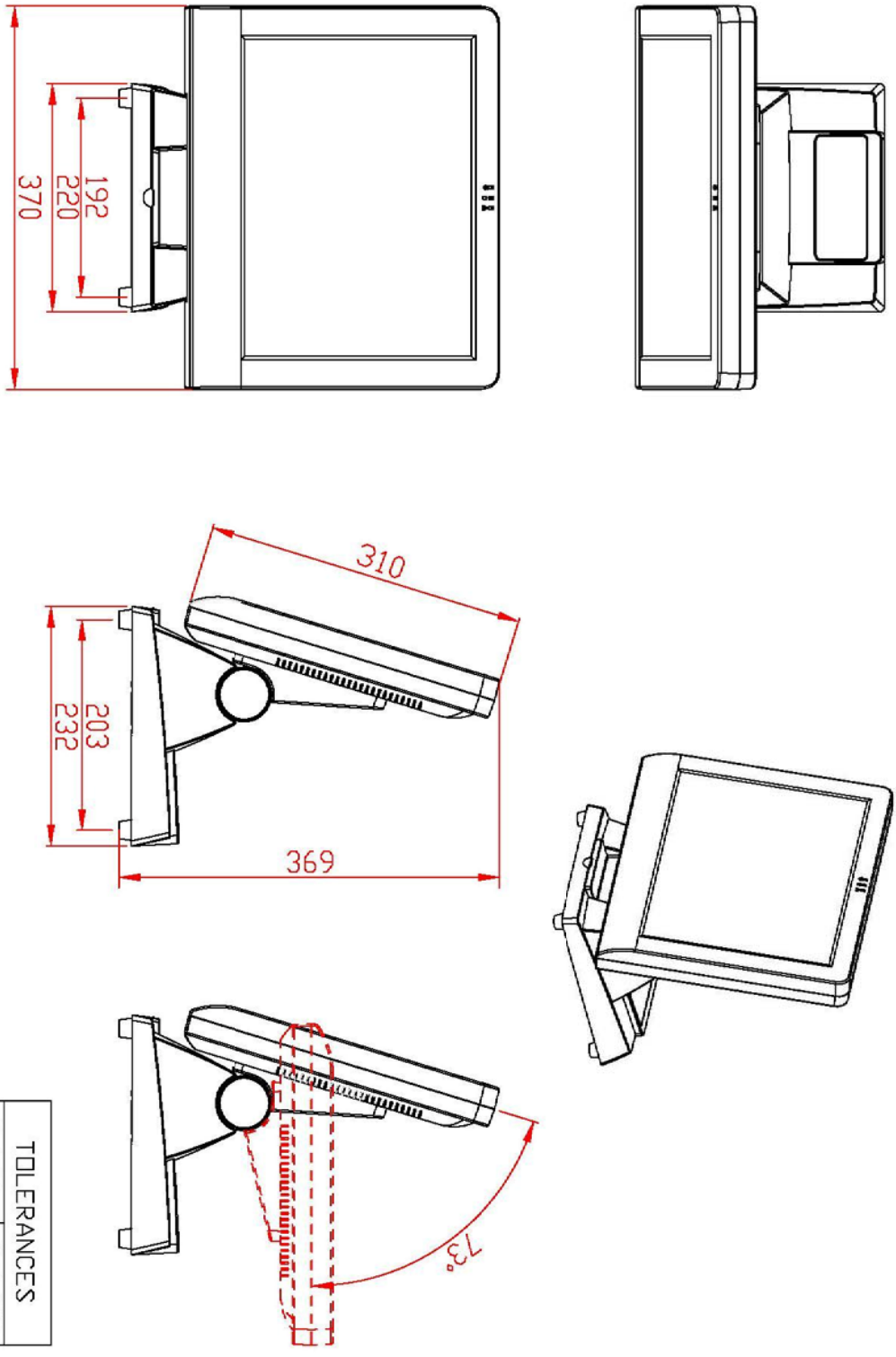
Cash Drawer Control

Status	Address	Value
Open	280H	Bit 4 = 0
Close	280H	Bit 4 = 1
Read Status	280H	Bit 0 = 0/1

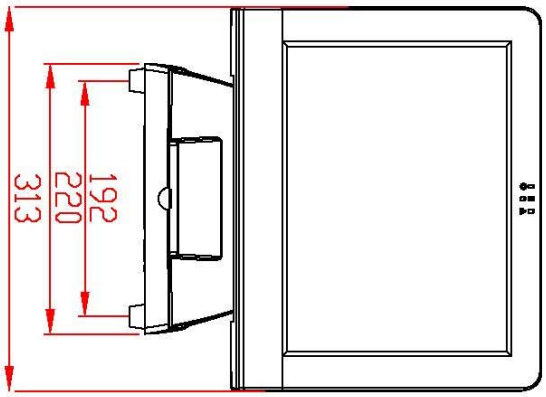
7.

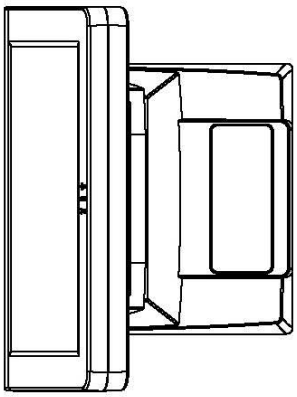
Specification

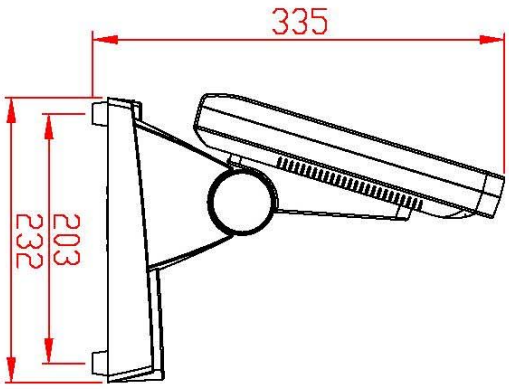
POS50A-5B-LX800

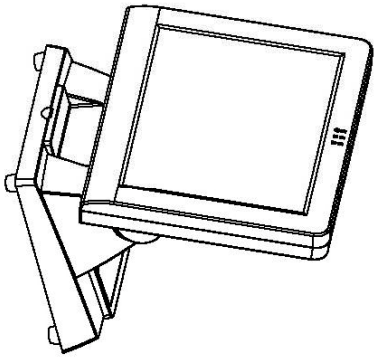


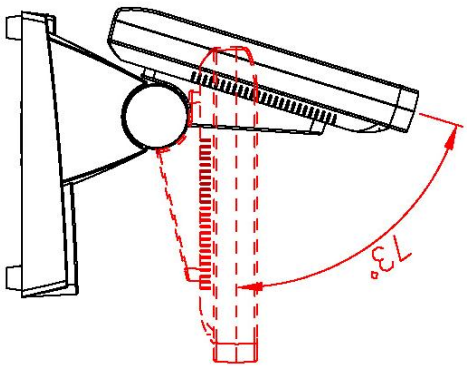
POS50A-2B-LX800



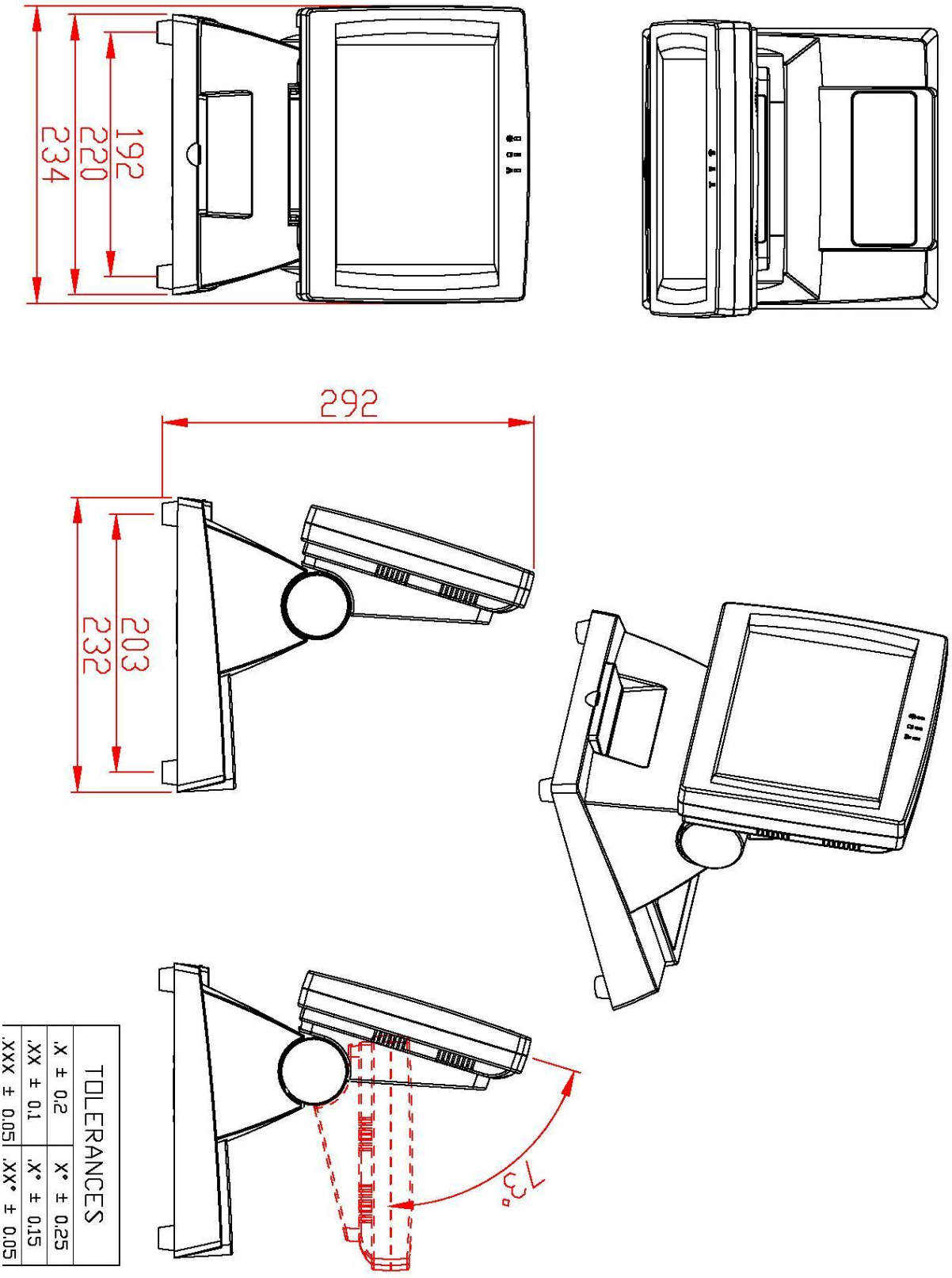








TOLERANCES	
.X ± 0.2	X° ± 0.25
.XX ± 0.1	.X° ± 0.15
.XXX ± 0.05	.XX° ± 0.05



TOLERANCES	
.X ± 0.2	X° ± 0.25
.XX ± 0.1	.X° ± 0.15
.XXX ± 0.05	.XX° ± 0.05

POS50A-5B-LX800, POS50A-2B-LX800, POS50A-8B-LX800

Main Board			
CPU	AMD Geode™ LX800 (500Mhz)		
Chipset	AMD Geode™ LX800 + CS5536		
System Memory	SO-DIMM DDR 400, 128MB up to 1GB		
Thermal Solution	Fan-less		
OS	Microsoft Windows XP Professional, XPe, WEPOS, Windows CE, Linux		
Display			
TFT LCD Size	8.4”	12.1”	15”
Brightness	200 nlts	220 nlts	350 nlts/250 nlts
Resolution	800 X 600	800 X 600	1024 X 768
Touch Screen	5-wire Resistive Type		
Tilt Angle	17 ^{O} to 90^{O}		
Storage Device			
DOM	1 X IDE 2.0mm 4”		
HDD	1 x IDE 2.5” Slime Type (Not for 8.4” model)		
Compact Flash	1 x Slot Compact Flash Type II		
I/O Ports			
Serial	3x RS-232 COM 1/2: DB-9, RS-232, Pin 9w / RI / 5V / 12V selectable COM 3: Internal for MSR		
USB	2 x USB 2.0		
LAN	1 x RJ45, 10/100 Base –T, supports wake on LAN		
PS2/COM	1 x internal for MSR, iButton		
Cash Drawer	1 x RJ11 (Power Pin 12V)		
Others			
Power Supply	External DC 12V Power Adapter (80W)		
Compliance	FCC / CE		
Weight	8.4”	12.1”	15”
	Approx. 3.2 Kg	Approx. 4.6 Kg	Approx. 5.9 Kg
Dimension LX W X H	232 X 234 X 292	232 X 313 X 335	232 X 370 X 369
Operation Temperature	5^{o} ~ 40^{o}C,		
Storage Temperature	-20^{o} ~ 60^{o}C,		
Storage Humidity	20 – 85% RH, non-condensing		

.

PPC50A-5B-LX800, PPC50A-2B-LX800, PPC50A-8B-LX800

Main Board			
CPU	AMD Geode™ LX800 (500Mhz)		
Chipset	AMD Geode™ LX800 + CS5536		
System Memory	SO-DIMM DDR 400, 128MB up to 1GB		
Thermal Solution	Fan-less		
OS	Microsoft Windows XP Professional, XPe, WEPOS, Windows CE, Linux		
Display			
TFT LCD Size	8.4”	12.1”	15”
Brightness	200 nlts	220 nlts	350 nlts/250 nlts
Resolution	800 X 600	800 X 600	1024 X 768
Touch Screen	5-wire Resistive Type		
Storage Device			
DOM	1 X IDE 2.0mm 4”		
HDD	1 x IDE 2.5” Slime Type (Not for 8.4” model)		
Compact Flash	1 x Slot Compact Flash Type II		
I/O Ports			
Serial	3x RS-232 COM 1/2: DB-9, RS-232, Pin 9w / RI / 5V / 12V selectable COM 3: Internal for MSR		
USB	2 x USB 2.0		
LAN	1 x RJ45, 10/100 Base –T, supports wake on LAN		
PS2/COM	1 x internal for MSR, iButton		
Cash Drawer	1 x RJ11 (Power Pin 12V)		
Others			
Power Supply	External DC 12V Power Adapter (80W)		
Compliance	FCC / CE		
Weight	8.4”	12.1”	15”
	Approx. 1.2 Kg	Approx 2.6 Kg	Approx. 3.9 Kg
Dimension W X H X D	234 X 185 X 42	313 X 256 X 46.5	370 X 310 X 50.5
Operation Temperature	5^{o} ~ 40^{o}C,		
Storage Temperature	-20^{o} ~ 60^{o}C,		
Storage Humidity	20 – 85% RH, non-condensing		